
Young Faculty Award (YFA) Program
Proposers Day

Monday - October 3, 2016





Agenda – Monday, October 3, 2016

2:00 pm – 2:45 pm DARPA Overview

Dr. Stefanie Tompkins, Office Director, DARPA / DSO

2:45 pm – 3:30 pm YFA Program Overview

Dr. Fariba Fahroo, Program Manager, DARPA / DSO

3:30 pm – 4:00 pm Working with DARPA

Ms. Kristen Fuller, Assistant Director for Program Management,
DARPA / DSO

4:00 pm – 5:00 pm Q&A Feedback

Engaging with DARPA

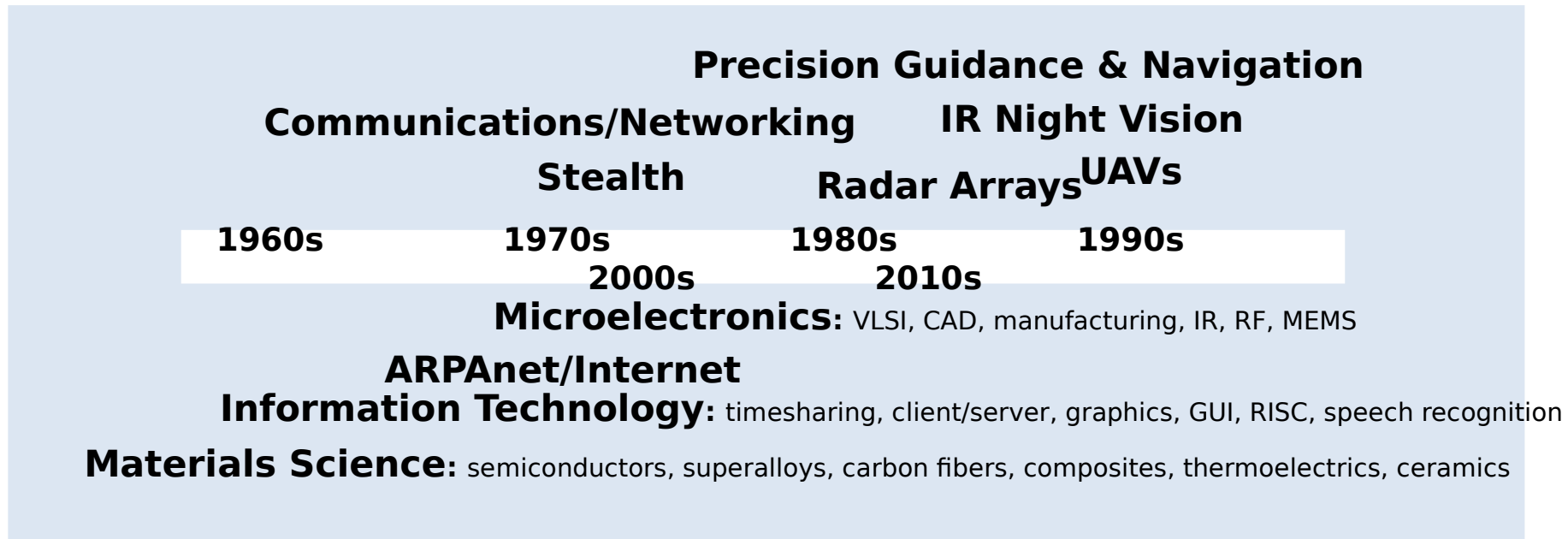
Dr. Stefanie Tompkins

October 3, 2016





Breakthrough Technologies for National Security



New capabilities require a healthy ecosystem across Service S&T, universities, and industry

DARPA's role: pivotal early investments that change what's possible



DARPA Inside

Stellar program managers

Technology leadership

Adventurous spirit

Conviction and drive to change the world

Active engagement with technology community

Universities

Labs

Companies small and large

Military services and agencies

DARPA Culture

Off-scale impact

Risk taking
service

Honor in public



DARPA Technical Offices



Seedlings vs. Programs

Seedlings

- Usually submitted through Office-Wide BAA
- Small short duration (3-12 months) projects
- Move concepts from “disbelief” to “mere doubt”
- May lead to the next generation of program ideas

Programs

- Proposals solicited through specific program BAAs
- Often multi-year, multi-disciplinary efforts
- Technology development to move from “possibility” to “capability”



How we think: The Heilmeier Catechism

Important questions to consider when approaching DARPA with ideas:

- What are you trying to do? (no jargon!)
- How does this get done today?
- What is new about your approach?
- If you succeed, what difference do you think it will make?
- How long do you think it will take?
- Can your work transition (to the DoD or others)?
- How much will it cost?



Three Ways to Engage with DARPA

Talk to a Program Manager (PM)

- Email/phone/face to face throughout the year

Concepts → New Ideas

Submit ideas to an Office-Wide BAA

**Seedlings:
Disbelief →
“Mere” Doubt**

Respond to DARPA program BAAs

**Programs:
Possibility →
Capability**





Factors Shaping DARPA Investments Today

Wide range of national security challenges:
Evolving nation states, shifting networks

Powerful, globally available technologies set a
fast pace

Military systems' cost, pace, and inflexibility limit
our operational capabilities



DSO New Programs

Fast Lightweight Autonomy (FLA)	Minimalistic algorithms for high-speed autonomous navigation in cluttered, unfamiliar environments	BAA release: 12/22/2014
Materials for Transduction (MATRIX)	Integrate transduction modeling, design and validation into unified R&D approach with applications focus	BAA release: 1/23/2015
Revolutionary Enhancement of Visibility by Exploiting Active Light-fields (REVEAL)	Comprehensive theoretical framework to enable maximum information extraction from complex scenes by using all photon pathways and leveraging light's multiple degrees of freedom	BAA release: 5/22/2015
Make-It	Automated chemical synthesizer that can produce, purify, characterize and scale a wide range of small molecules	BAA release: 6/9/2015
Tailorable Feedstock and Forming (TFF)	Rapid manufacturing of small aerospace composite parts at costs competitive with metal	BAA release: 9/11/2015
Complex Adaptive System Composition And Design Environment (CASCADE)	Design system of systems architectures for resilient response to unexpected situations	BAA release: 11/23/2015
Fundamental Limits of Detection (Detect)	Establish the first-principles limits of photon detection by developing new models, and by testing those models in proof-of-concept experiments	BAA release: 1/21/2016
Improv	Scope emerging threats to military personnel, technology, and operations posed by commercially available technology and products	BAA release: 3/11/2016
Next Generation Social Science (NGS2)	New experimental methods, models, and practices for conducting research into complex social systems	BAA release: 3/18/2016
Intense and Compact Neutron Sources Phase Two (ICONS2)	Revolutionary increases in neutron source intensity and reductions in device size, weight, and power (SWaP) for in-the-field neutron radiography and analytical techniques.	BAA release: 4/28/2016
Accelerated Computation for Efficient Scientific Simulation (ACCESS)	Computational architectures that will achieve the equivalent of petaflops performance in a benchtop form-factor and be capable of what traditional architectures would define as "strong" scaling for predictive scientific simulations of interest	BAA release: 5/6/2016
Transformative Design (TRADES)	Develop/exploit new mathematics to incorporate advanced materials and manufacturing techniques into the design of solid parts and structures	BAA release: 5/11/2016
Extreme Optics and Imaging (EXTREME)	Optical systems capable of extreme performance and/or capabilities, which utilize Engineered Optical Materials (EnMats)	BAA release: 8/24/2016



DSO Recent RFIs

New Capabilities for Experimental Falsifiability in Social, Behavior, and Economic (SBE) Sciences (RFI)	Develop novel methods, including new tools, platforms, techniques, and/or approaches, that could contribute to the development of unprecedented capabilities for testing the experimental falsifiability of (i.e., disconfirming) models, theories, and hypotheses in SBE sciences	Released 9/1/2015
Design for Advance Materials and Manufacturing (RFI)	Revolutionize design of complex engineered objects, from multifunctional components to entire products (e.g., air, space, marine and transport vehicles)	Released 10/8/2015
Fabrication Technologies for Scalable Production of Extended Solids (RFI)	Scalable techniques for the synthesis of extended solid materials characterized by extensive covalent bond networks	Released 11/16/2015
Open Manufacturing Transition Study (RFI)	Qualification for Additively Manufactured Aircraft Components	Released 3/23/2016
Theoretical Foundations for the Design of Collective Human-Machine Systems (RFI)	Foundational, quantitative theories for the analysis and design of human-machine systems	Released 4/15/2016
Nanoweaving (RFI)	Assessing the state of the art in nanoweaving and nanobraiding	Released 5/11/2016
Fundamental Limits of Learning (RFI)	What are the fundamental limitations inherent in machine learning systems?	Released 5/12/2016
Delta (RFI)	Leveraging multiple sources of individual differences and variability in order to better understand and design for the complex, changing, and dynamic interactions among individuals and their social groups, including teams and organizations.	Released 8/22/2016
Forensic Social Science Supercolliders (FS3) (RFI)	Developing interactive simulations that can be used to calibrate the validity of different social science research methods and tools in drawing "strong inference" about causal mechanisms that can lead to emergent complex behaviors in human social systems.	Released 9/6/2016



BTO Recent Programs

Technologies for Host Resilience (THoR)	Discovery of host tolerance mechanisms in order to identify a suite of interventions suitable for use in humans to mitigate the deleterious effects of infectious diseases.	BAA release: 3/31/2015
Restoring Active Memory (RAM) Replay	Investigating memory replay with respect to the consolidation of episodic memories and newly learned skills, and how these memories are recalled and utilized by humans during subsequent task performance.	BAA release: 4/27/2015
Neural Engineering System Design (NESD)	Design, build, demonstrate, and validate a neural interface system capable of recording from more than one million neurons and stimulating more than one hundred thousand neurons in proposer-defined regions of the human sensory cortex (e.g., visual cortex or auditory cortex).	BAA release: 1/21/2016
Biological Control	New capabilities for the control of biological systems across scales – from nanometers to centimeters, seconds to weeks, and biomolecules to populations of organisms – using embedded controllers made of biological parts to program system-level behavior.	BAA release: 2/18/2016
Targeted Neuroplasticity Training (TNT)	Development of technology for enhancing cognitive skill learning in healthy adults by using noninvasive peripheral neurostimulation to promote synaptic plasticity in the brain.	BAA release: 4/1/2016
INTERfering and Co-Evolving Prevention and Therapy (INTERCEPT)	Exploration and development of therapeutic interfering particles as a novel approach to address infections from fast evolving viral pathogens.	BAA release: 4/28/2016
Prometheus	Development of a molecular host assay to measure infectious disease contagiousness, focusing specifically on the early prognosis of pathogen transmission potential prior to the onset of symptoms.	BAA release: 6/15/2016
Engineered Living Materials (ELM)	Design tools and methods that enable the engineering of structural features into cellular systems that function as living materials, thereby opening up a new design space for building technology.	BAA release: 8/5/2016
Safe Genes	Biological capabilities that enable the safe pursuit of advanced genome editing applications and protect against potential engineered genetic threats.	BAA release: 9/15/2016



BTO RFIs

Biomedical Data Management Platform

Determine ready-made solutions and/or capabilities for capture, management and analysis of biomedical data, including pre-clinical genomic, proteomic, epigenetic, and small molecule data, as well as clinical trial data sets.

Released 4/24/2015

Self-evolving and Adapting Therapeutics (ADAPT)

Revolutionary ideas to radically change the existing paradigm for treating and controlling a variety of dynamic diseases and biological threats, such as rapidly mutating viruses, drug-resistant bacteria and evolving chronic pathologies and conditions.

Released 7/22/2015



MTO Recent Programs

Precise Robust Inertial Guidance for Munitions (PRIGM)	Develop inertial sensor technologies to enable positioning, navigation, and timing (PNT) in GPS-denied environments.	BAA #1 release: 4/15/2015 BAA #2 release: 5/29/2015
High power Amplifier using Vacuum electronics for Overmatch Capability (HAVOC)	Develop mm-wave vacuum electronic amplifiers for air, ground, and ship-based EM systems.	BAA #1 release: 8/11/2015 BAA #2 release: 9/22/2015
Circuit Realization at Faster Timescales (CRAFT)	Develop approaches to shorten the design cycle for custom integrated circuits to months rather than years.	BAA release: 8/17/2015
Wafer Scale Infrared Detectors (WIRED)	Develop and demonstrate high-performance infrared detectors and understand the fundamental properties, benefits, and limitations of these materials.	BAA release: 9/10/2015
Inbound, Controlled, Air-Releasable, Unrecoverable Systems (ICARUS)	Develop vanishing, autonomous air-delivery vehicles capable of delivering intact a 3-pound payload.	BAA release: 10/9/2015
Modular Optical Aperture Building Blocks (MOABB)	Develop and demonstrate integrated electronic-photonic unit cells that can be tiled together to form large-scale planar apertures.	BAA release: 12/16/2015
Atomic Clock with Enhanced Stability (ACES)	Develop a battery powered clock with near-caesium beam performance.	BAA release: 1/21/2016
Signal Processing at RF (SPAR)	Develop technology that mitigates both externally generated interfering signals and self-generated interfering signals of known and unknown characteristics.	BAA release: 2/19/2016
Magnetic Miniaturized and Monolithically Integrated Components (M3IC)	Develop new approaches to integrate magnetic components onto semiconductor materials, improving the size and functionality of EM systems for communications, radar, and EW.	BAA release: 6/16/2016
Spectrum Collaboration Challenge (SC2)	Competition to take advantage of recent advances in artificial intelligence (AI) and machine learning to assure full access to the increasingly crowded electromagnetic spectrum.	BAA #1 release: 7/19/2016 BAA #2 release: 7/19/2016
Hierarchical Identify Verify Exploit (HIVE)	Develop a graph analytics processor that achieves 1000x improvement in processing efficiency.	BAA release: 8/2/2016
Reconfigurable Imaging (ReImagine)	Develop a single, multi-talented camera sensor that detects visual scenes as familiar still and video imagers do, but that also can adapt and change their personality to a given situation.	BAA release: 9/19/2016
Common Heterogeneous Integration and IP Reuse Strategies (CHIPS)	Develop new architectures based on the mixing and matching of small, single-function chiplets into chip-sized systems as capable of an entire printed circuit board's worth of chips and components.	BAA release: Pending



MTO Recent RFIs



Stochastic Augmented Graph Analytics (SAGA) (RFI)	Develops the novel hardware architectures, software algorithms, and programming tools necessary to calculate continuous time varying probabilities functions and process data natively as random variables.	Released 9/19/2016
Office-wide (RFI)	Requests innovative technologies and approaches that enable revolutionary advances in areas fitting within MTO's mission. Presents the opportunity for respondents to discuss their research initiatives with an MTO PM in conjunction with the MTO Office-wide Proposers Day.	Released 8/12/2016
Electromechanical Transmitters for Very Low Frequency RF (EMT-VLF) (RFI)	Develops innovative concepts and technologies to enable miniature transmitter antennas to operate in the frequency range of 0.3-30 kHz. Explores electromagnetic-mechanical coupling for use in creating RF transmitters operating at low frequencies (0.3-30 kHz, or ultra-low frequency (ULF) and very low frequency (VLF) and below frequency bands).	Released 8/5/2016
Common Heterogeneous Integration and IP Reuse Strategies (CHIPS) (RFI)	Creates the necessary framework to enable modular design and fabrication of DoD-relevant electronics using reusable chiplets at the semiconductor die level. Researches the interface standards that would enable modular design and identification of functional circuit blocks that would benefit most from the framework.	Released 7/18/2016
Common Heterogeneous Integration and IP Reuse Strategies (CHIPS) (RFI)	Identifies new approaches to accelerate technology adoption and to enable novel design capabilities through a combination of IP reuse and heterogeneous integration.	Released 10/29/2014



We look forward to your ideas



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Young Faculty Award Program

**Dr. Fariba Fahroo, YFA Program Manager
Defense Sciences Office**

October 3, 2016





Program Vision and Goals

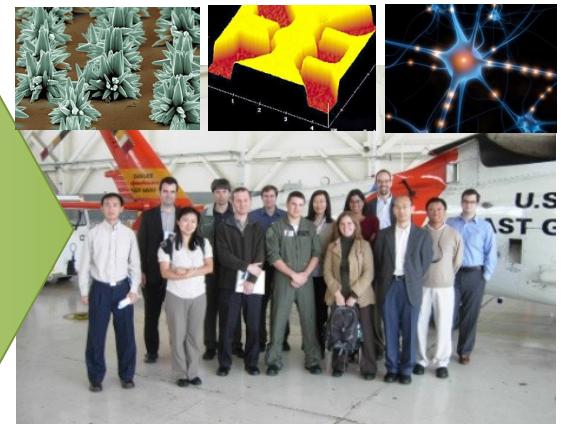
The objective of the DARPA Young Faculty Award (YFA) program is to identify and engage **rising stars** in junior faculty positions, emphasizing those without prior DARPA funding, and expose them to DoD needs and DARPA's program development process

The YFA program provides:

- Research funding
- DoD contacts
- Military visits/exercises
- PM Mentor

The YFA program yields:

- Insight into DoD problems
- Novel ideas
- Career development
- Future DARPA performers



The long term goal of the YFA program is to develop the next generation of academic scientists, engineers, and mathematicians who will focus a significant portion of their career on DoD and National Security issues



Engagement with DARPA

PM Mentors	Each YFA is assigned a PM mentor with closely aligned research interests
Annual YFA Kick-off/PI Meeting	The annual meeting provides networking opportunities and presentations from DARPA Technical Offices, military liaisons, and industry representatives
Military Visits	YFA Awardees have the opportunity to visit military installations, defense-relevant research facilities, or participation in training exercises
Participation in Program Reviews	YFA awardees are invited to present their work at Program Review meetings, providing networking opportunities with PMs and other performers
Director's Fellowship Nominations	PM Mentors are responsible for recommendation to YFA Program Manager to continue into third year of funding



Timeline and Funding for Awardees

- YFA grants have a 24 month period of performance
- Base awards are funded up to \$250K per year (\$500K max funding)
- Option - 12 month Director's Fellowship (\$500K max funding)

2015	2016	2017	2018	2019	2020
Class of 2015	Year 1	Year 2	DARPA/DoD Programs		
Class of 2016	Year 1	Year 2	DARPA/DoD Programs		
Class of 2017		Year 1	Year 2		



Research Announcement Inbox & FAQ

- Direct ALL Questions and Communication to RA Inbox
YFA2017@darpa.mil
- DARPA will update the YFA FAQ on a regular basis
- The FAQ submission Deadline is Jan 11th!
- It is recommended that you submit question(s) at least
15 days prior to the submission deadline
- These slides, an FAQ, and any other relevant information will be posted under the solicitation announcement on the DARPA Opportunities page



YFA Eligibility Requirements

Junior Faculty

Tenure Track Assistant/Associate Professors and their equivalent at non-profit research institutions within 8 years* of appointment date to a position at a US Institution.

Single Investigator

This RA solicits single investigator proposals for research and development; however a PI can propose support up to 30% of total grant for subcontractors with justification.

YFA PI Restrictions

Previous YFA Award recipients are not eligible for this or any future YFA program. Former DARPA Program Managers are not eligible to apply for funding under this award.

Maximum One YFA Topic

**Applicants are limited to ONE submission to the RA per year
(cannot submit to multiple topic areas)**

Ability to Obtain a U.S. Security Clearance

**Not Required
Foreign Nationals employed at US Institutions may apply**

*8 years at time of full proposal deadline and excluding any leaves of absence

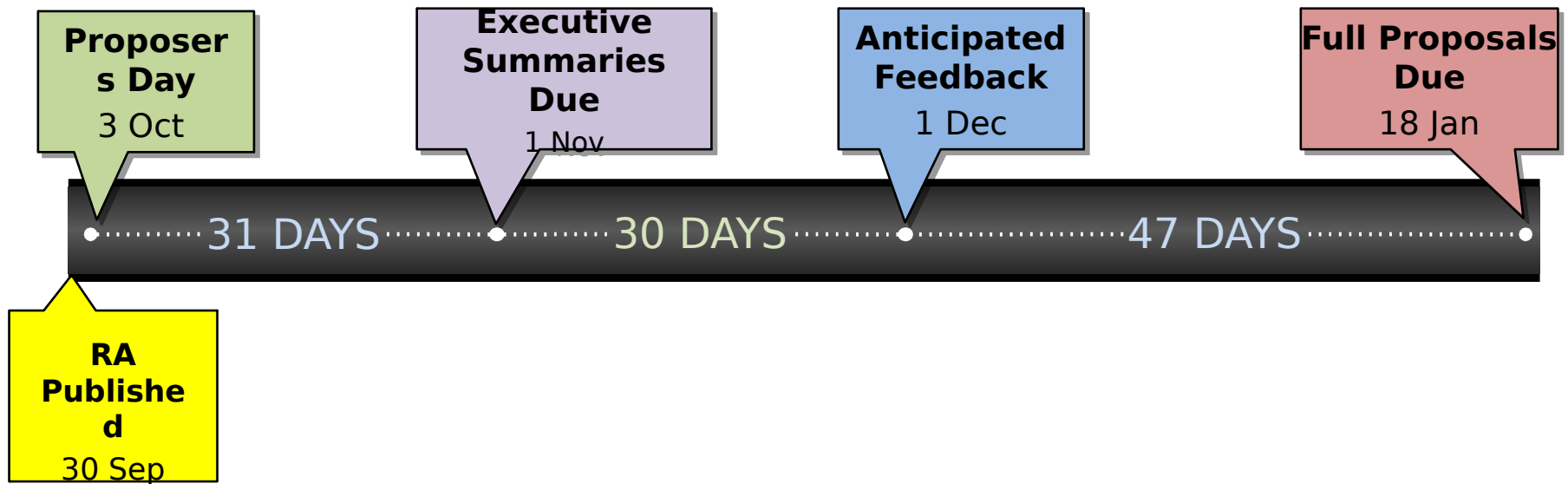


Research Announcement
Young Faculty Award (YFA)
DARPA-RA-16-63
Month Day, Year

Responding to the RA

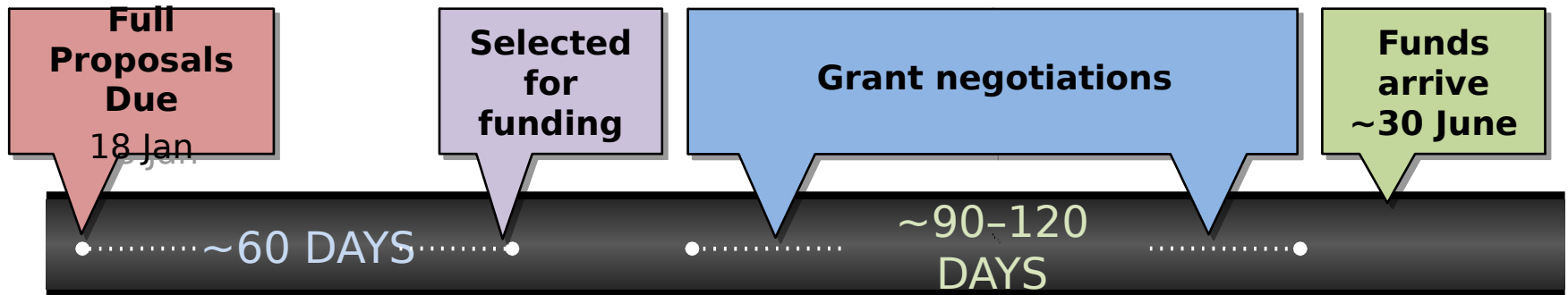


Important Dates





Important, but approximate dates

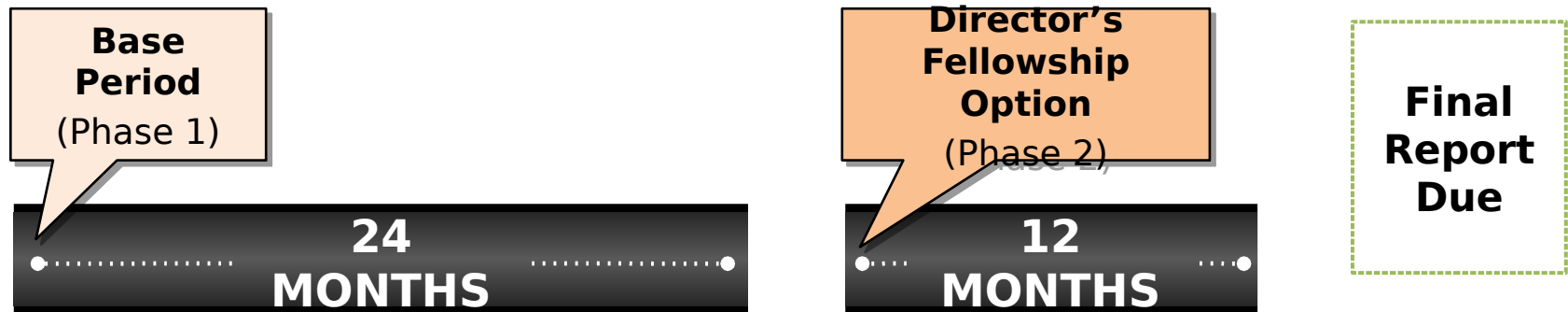


(dependent on each
institution/organization's response
time)



Period of performance

The program is scheduled to span three years in two phases.



Assuming satisfactory progress,

- We anticipate funding multiple performers for all three years.
- Funding for subsequent Periods is contingent on the availability of funds.



Executive Summary Submission

Executive Summaries are strongly encouraged for this solicitation

Executive summaries should

include:

- A. Topic Area
- B. Executive Summary Title
- C. Summary of effort
- D. Intro/Background
- E. Impact
- F. Methods/Approach

Attachments: Executive Summary Template

** Submitted to <https://baa.darpa.mil> - please see page 32*

One page limit. Required to use provided templates. Do not include identifying information of the PI, Organization, or Team Members on this page. All identifying information should be included on the Cover Sheet pages and the optional Bibliography, only.
See Section IV of the RA

**Executive
Summary
Due**

1 Nov

**Approximate
Feedback**

1 Dec

.....~**30 DAYS**.....

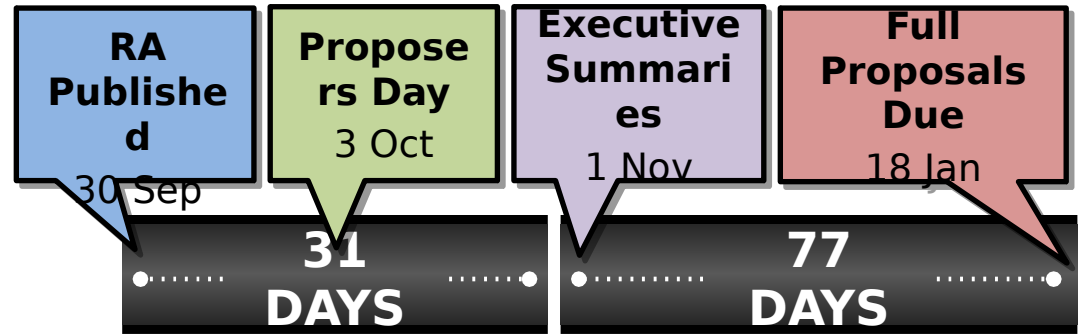
“DARPA will respond to executive summaries with a statement as to whether DARPA is interested in receiving a full proposal.”

You may submit a full proposal even if you did not submit an Executive Summary.



Full Proposal – Technical and Management

Nonconforming proposals
may be rejected without
review.



Volume I – Technical and Management

- Proposal**
- | | |
|---|---|
| 1. Transmittal Letter | 8. Capabilities |
| 2. Executive Summary Slide | 9. Statement of Work (SOW) |
| 3. Executive Summary | 10. Schedule and Milestones |
| 4. Goals and Impact | 11. Cost Summary |
| 5. Technical Plan | 12. Administrative and National Policy Requirements |
| 6. Management Plan | 13. Bibliography |
| 7. Personnel, Qualifications, and Commitments | |

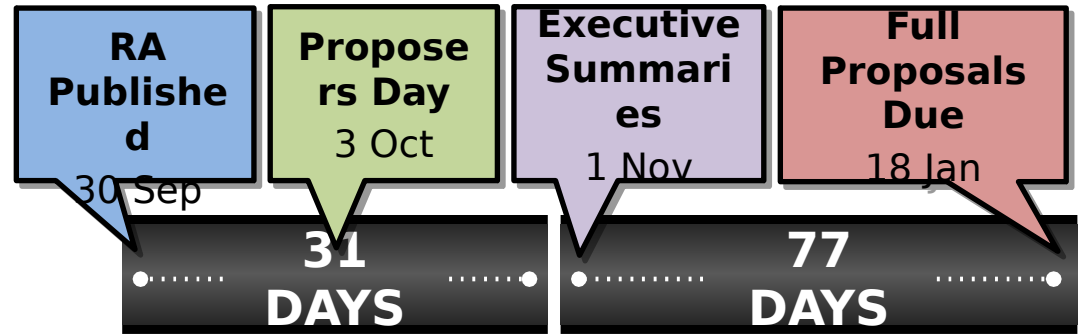
Attachments: Executive Summary Slide Template and Technical and Management Proposal Template

Full proposals required to use provided templates and limited to 8 pages (plus 1 page each for the cover sheet and official transmittal letter). *See Section IV of the RA*



Full Proposal - Cost

Nonconforming proposals
may be rejected without
review.



Volume II - Cost Proposal

- Cost Summaries
 - a. Cost Summary by Year
 - b. Cost Summary by Task
 - c. Cost Summary by Month
- Cost Details - Summary of projected funding requirements by month and Government Fiscal Year
- Don't forget travel funds to attend the Kickoff Meeting and Military Site Visits
- Subcontractor proposals **must** be prepared at the same level of detail as that required of the prime.

Attachments: Cost Proposal Template

Required to use provided templates! Cost proposal does not have a page limit!
See Section IV of the RA

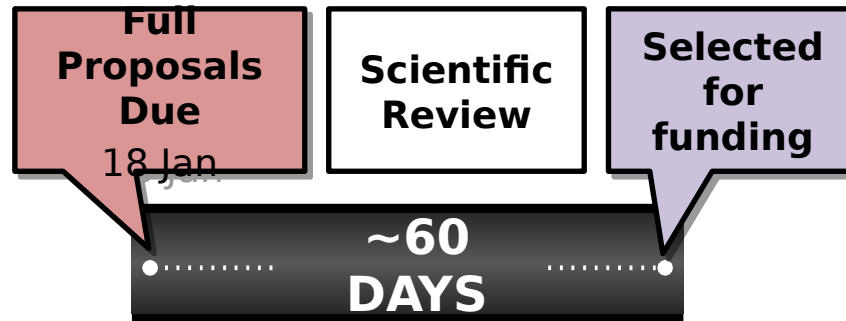


More about cost

- DARPA will not provide feedback regarding dollar amounts – you tell us what it will cost to perform the proposed research.
- DARPA will respond to executive summaries with a statement as to whether DARPA is interested in the idea
- Evaluators are instructed to consider that “The proposed costs are **realistic** for the technical and management approach and accurately reflect the technical goals and objectives of the solicitation. The proposed costs are consistent with the proposer's Statement of Work and reflect a sufficient understanding of the costs and level of effort needed to successfully accomplish the proposed technical approach. The costs for the prime proposer and proposed subawardees are substantiated by the details provided in the proposal.



The Review Process



- *Scientific Review* by government personnel from DARPA.
- Proposals are not ranked, but evaluated for strengths and weaknesses with respect to the criteria published in the RA:
 - a) Overall Scientific and Technical Merit
 - b) Potential Contribution and Relevance to the DARPA Mission
 - c) Cost Realism
- Program Manager recommends proposals for funding.

See Section V for details regarding the evaluation criteria.

Distribution Statement "A" (Approved for Public Release, Distribution Unlimited)



Evaluation Criteria

Proposals will be evaluated using the following criteria listed in descending order of importance: Overall Scientific and Technical Merit; Potential Contribution and Relevance to the DARPA Mission; and Cost Realism.

Overall Scientific and Technical Merit

The proposed technical approach is feasible, achievable, complete and supported by a proposed technical team that has the expertise and experience to accomplish the proposed tasks.

The task descriptions and associated technical elements provided are complete and in a logical sequence with all proposed deliverables clearly defined such that a final outcome that achieves the goal can be expected as a result of award. The proposal identifies major technical risks and planned mitigation efforts are clearly defined and feasible.

Potential Contribution and Relevance to the DARPA Mission

The potential contributions of the proposed effort are relevant to the national technology base. Specifically, DARPA's mission is to maintain the technological superiority of the U.S. military and prevent technological surprise from harming national security by sponsoring revolutionary, high-payoff research that bridges the gap between fundamental discoveries and their application. The proposed intellectual property restrictions (if any) will not significantly impact the Government's ability to transition the technology

Cost Realism

The proposed costs are realistic for the technical and management approach and accurately reflect the technical goals and objectives of the solicitation. The proposed costs are consistent with the proposer's Statement of Work and reflect a sufficient understanding of the costs and level of effort needed to successfully accomplish the proposed technical approach. The costs for the prime proposer and proposed subawardees are substantiated by the details provided in the proposal (e.g., the type and number of labor hours proposed per task, the types and quantities of materials, equipment and fabrication costs, travel and



Teaming

To fully address the RA you might need to team with other entities.

- You must find your collaborators on your own.
- Your team should submit a unified proposal under a single PI.
- This RA is open to educational institutions, government labs, and/or private companies.
- Foreign entities may join a team.
- Note that the cost volume for each team member must be at the same level of detail as for the PI.
- Combined, teaming and subcontract awards will be limited to no more than 30% of the total grant value.

See Section VIII for details regarding teaming.



Final bits of advice

- Read the RA over and over again and follow all instructions carefully.
- A successful proposal addresses all aspects of the RA.
 - Pay attention to “must”, “should”, “shall”, and “all” in the RA.
 - Incomplete proposals will not be evaluated.
- Do not try to shoehorn ongoing, but not applicable, work into the RA.
- Do not submit a rewritten NIH or NSF proposal.
- Do not propose to do anything that is not directly relevant to the RA.
- Do not submit an irrelevant or incomplete proposal in the hope we’ll fund it anyway.
- A proposal Executive Summary is highly recommended.



www.darpa.mil

Doing Business with DARPA

Ms. Kristen Fuller
Assistant Director, Program Management
Defense Sciences Office

2017 Young Faculty Award (YFA) Proposers Day

October 3, 2016





- Understanding Broad Agency Announcements (BAAs) and Research Announcements (RAs)
- Defining BAA and RA terms
- Proposing to BAAs and RAs
- Proposing to the YFA RA
- Concluding Remarks





Understanding Broad Agency Announcements (BAAs) and Research Announcements (RAs)



What is a BAA or RA?



- BAAs are a competitive means of soliciting basic and applied research and some development efforts directed toward advancing the state-of-the-art and/or increasing knowledge and understanding
 - Describe a problem or general research area(s) of interest rather than provide a common work statement
 - Are used when varying scientific/technical approaches are anticipated
- RAs are same as BAAs, EXCEPT only allow for award of grants and agreements
- Proposals under DARPA BAAs
 - Undergo a scientific/technical review
 - Are evaluated on their own merits, i.e., are not compared to other proposals
 - Have no predetermined overall funding level, planned dollar value per award, or





How does DARPA use BAAs and RAs?



DARPA issues two types of BAAs

1. Program-specific BAAs

- Solicit targeted ideas that help the DARPA Program Manager realize his/her vision for advancing a specific technology or research area

2. Office-wide BAAs

- Seed completely new ideas for which there is no current program

Find current DARPA BAAs and RAs at <http://www.darpa.mil/work-with-us/opportunities>

BAAs and RAs are also available at FBO.gov and grants.gov



DARPA is interested in revolutionary ideas that advance DoD's mission



Defining BAA and RA Terms

- An executive summary is a brief (1 page) outline of the proposed research idea
 - Responses are limited to a statement of interest (or lack thereof)
- An abstract is a slightly more detailed (5 page) synopsis of the proposed research idea
 - Responses will encourage or discourage submission of a full proposal



- Submission of executive summaries and abstracts allows proposers to –
 - Quickly ascertain whether the proposed concept is of interest to DARPA
 - Save bid and proposal costs

If your proposal was not encouraged, it is less likely to receive funding



Proposing to BAAs and RAs

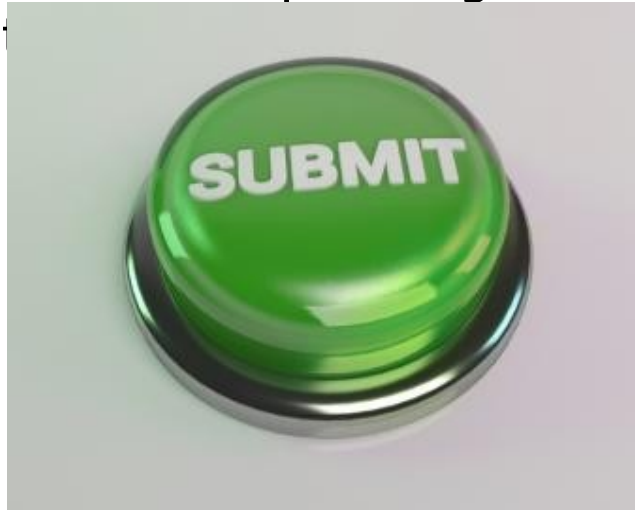
- Follow ALL directions in the BAA or RA
 - Each DARPA BAA or RA has content/formatting/submission requirements specific to that BAA or RA
 - Non-conforming proposals will not be reviewed and will not be eligible for award
- Include a straightforward, concise description of the technical solution and a fully supported cost proposal
- Ensure your proposal responds to the Heilmeyer Questions



- The evaluation criteria in descending order of importance are:
 - Overall Scientific and Technical Merit
 - Potential Contribution and Relevance to the DARPA Mission
 - Cost Realism
- Cost or price is rarely, if ever, the deciding selection factor
- Proposals contain unique solutions - they are not compared one to another



- Unclassified submission portals
 - Grants or Cooperative Agreements proposals:
www.grants.gov
 - All executive summaries and abstracts:
<https://baa.darpa.mil>
 - Mail/Hand-carry submission: See instructions in the BAA
 - Submissions to BAAs requesting award of a Contract or Other Transaction: See instructions in the BAA





What Happens Next?



Once proposal evaluations are complete, proposers will be notified whether or not their proposal was selected for award negotiation

- Successful proposers will be contacted by a grants officer to begin negotiations
- Award is subject to successful negotiation and availability of funds
- You may request informal feedback from the PM regarding your proposal





Proposing to the YFA RA



YFA Eligibility Requirements

Junior Faculty	Tenure Track or equivalent within 8 years of appointment
Single Investigator	Single PI research - Up to 30% for subcontractors with justification
YFA PI Restrictions	Previous YFA Award recipients and former DARPA PMs are not eligible
Maximum One YFA Topic	Applicants are limited to ONE submission to the RA per year (cannot submit to multiple topic areas)
Ability to Obtain a U.S. Security Clearance	Not Required Foreign Nationals employed at US Institutions may apply



Important deadlines

- DARPA-RA-16-63 closing dates:
 - Executive Summaries: **November 1, 2016**
 - Full Proposals: **January 18, 2017**
 - Time associated with all deadlines is **4:00 p.m. Eastern**





How can I get Answers to Questions about the YFA RA?



- All questions (technical, contractual, administrative) about the YFA RA should be emailed to YFA2017@darpa.mil
- FAQs will be posted under the YFA RA at <http://www.darpa.mil/work-with-us/opportunities> (filter by "DSO")





Concluding Remarks

- Read the BAA or RA and follow the instructions therein
- Use Executive Summaries and Abstracts when available, to get quick feedback about your idea
- Submit a Full Proposal, if encouraged
 - Ensure proposal is “conforming”
 - Be concise, but include details to substantiate revolutionary nature of the research
- Ask questions if you don’t understand something

